IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A hardware upgrade for a set top terminal for use with a television program delivery system with menu selection of programs, the set top terminal having a microprocessor and microprocessor instructions for prompting generation of menus, the hardware upgrade comprising:

an interface <u>for communicating with a microprocessor of</u> ~~to~~ the set top terminal for receiving and processing subscriber input <u>provided by the microprocessor of the set top terminal and providing data to the microprocessor of the set top terminal</u>;

a modem connected to the interface for communicating with one or more headends, wherein the set top terminal receives television program signals based on the subscriber input <u>received from the microprocessor of the set top terminal</u>; ~~and~~

a <u>hardware upgrade</u> microprocessor ~~connected between~~ <u>coupled to</u> the interface and the modem <u>for providing enhanced functional capabilities to the set top terminal</u> [[,]] <u>; and</u>

<u>memory, coupled to the hardware upgrade microprocessor, for storing data therein;</u>

wherein the hardware upgrade is a card insertable into <u>a card receiving slot of</u> the set top terminal to add a data modulation and demodulation function to the set top terminal such that data may be retrieved from the one or more headends and stored in ~~local storage~~ <u>the memory,</u> wherein the data comprising information from an interactive service for accessing an on-line database thereby allowing <u>a user to use the set top terminal to engage in</u> actual transactions using two-way communications over the modem with the interactive service via submenus, and the interface to the <u>set top</u> terminal comprises:

interactive software stored in <u>the</u> memory ~~of said hardware upgrade~~ <u>and processed by</u> <u>the hardware upgrade microprocessor</u> to provide enhanced functional capabilities for the set top terminal<u>;</u> ~~and~~ <u>and to process subscriber inputs received from the set top terminal via the</u> <u>interface associated with the enhanced functional capabilities</u>

~~processing circuitry to process said subscriber inputs associated with said interactive~~ ~~software~~.

2-3. (Canceled).

4. (Previously Presented) The hardware upgrade of claim 1 wherein the modem is capable of communicating with the interactive service.

5. (Original) The hardware upgrade of claim 4 wherein the interactive service is outside of the television program delivery system.

6. (Original) The hardware upgrade of claim 4 wherein the interactive service is selected from a group consisting of home shopping, airline reservations, news, financial information, classified advertisements, home banking, and interactive teletext.

7. (Previously Presented) The hardware upgrade of claim 1 wherein the modem is capable of communicating with the on-line database.

8. (Original) The hardware upgrade of claim 7 wherein the on-line database is outside of the television program delivery system.

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9.   (Original)   The hardware upgrade of claim 7 wherein the on-line database contains data concerning one or more applications selected from a group consisting of home shopping, airline reservations, news, financial information, classified advertisements, home banking, and interactive teletext.

10-13. (Canceled).

14.   (Currently Amended) A set top terminal for use with a television program delivery system with menu selection of programs, the set top terminal having a microprocessor and microprocessor instructions for prompting generation of menus and comprising:

a receiver adapted to receive programs; and

a first hardware upgrade comprising:

an interface <u>for communicating with a microprocessor of</u> ~~to~~ the set top terminal for receiving and processing subscriber input <u>provided by the microprocessor of the set top terminal and providing data to the microprocessor of the set top terminal</u>;

a modem connected to the interface for communicating with one or more headends, wherein the set top terminal receives television program signals based on the subscriber input <u>received from the microprocessor of the set top terminal</u>; ~~and~~

a <u>hardware upgrade</u> microprocessor ~~connected between~~ <u>coupled to</u> the interface and the modem <u>for providing enhanced functional capabilities to the set top terminal</u> [[,]] <u>; and</u>

<u>memory, coupled to the hardware upgrade microprocessor, for storing data therein;</u>

wherein the first hardware upgrade is a card inserted into <u>an expansion card slot of</u>

the set top terminal to add a data modulation and demodulation function to the set top

terminal such that data may be retrieved from the one or more headends and stored in ~~a local~~

~~storage~~ <u>the memory</u> ~~and the terminal has an expansion card slot~~,

wherein the interface comprises at least one card connector adapted for use with the

expansion card slot, and

wherein the data comprising information from an interactive service for accessing an

on-line database thereby allowing <u>a user to use the set top terminal to engage in</u> actual

transactions using two-way communications over the modem with the interactive service via

submenus.

15-17. (Canceled).

18.   (Original)   The terminal of claim 14 wherein the terminal is an HDN

terminal.

19.   (Original)   The terminal of claim 14 further comprising:

one or more additional hardware upgrades connected to the terminal.

20-22. (Canceled).

23.   (Original)   The terminal of claim 19 wherein at least one of the one or

more additional hardware upgrades is selected from the group consisting of an audio program

reception hardware upgrade, an interactive hardware upgrade that receives interactive

subscriber input and produces interactive output, and a storage hardware upgrade.

24.   (Currently Amended) A system comprising:

a television program delivery system adapted to deliver television program signals;

and

a set top terminal having a microprocessor and microprocessor instructions for

prompting generation of menus and comprising:

a receiver adapted to receive at least some of the television program signals; and

a hardware upgrade comprising:

an interface <u>for communicating with a microprocessor of</u> <s>to</s> the set top

terminal for receiving and processing subscriber input <u>provided by the microprocessor of the</u>

<u>set top terminal and providing data to the microprocessor of the set top terminal</u>;

a modem connected to the interface for communicating with one or more

headends, wherein the set top terminal receives the television program signals based on the

subscriber input <u>received from the microprocessor of the set top terminal</u>; <s>and</s>

a <u>hardware upgrade</u> microprocessor <s>connected between</s> <u>coupled to</u> the

interface and the modem <u>for providing enhanced functional capabilities to the set top</u>

<u>terminal</u> [[,]] <u>; and</u>

<u>memory, coupled to the hardware upgrade microprocessor, for storing data</u>

<u>therein;</u>

wherein the hardware upgrade is a card inserted into <u>a card receiving slot of</u>

the set top terminal to add a data modulation and demodulation function to the set top

terminal such that data may be retrieved from the one or more headends and stored in <s>a local</s>

<s>storage</s> <u>the memory,</u> wherein the data comprising information from an interactive service for

accessing an on-line database thereby allowing <u>a user to use the set top terminal to engage in</u>

actual transactions using two-way communications over the modem with the interactive

service via submenus, and

wherein the television program delivery system is a cable television program

delivery system comprises an operations center, the operations center transmitting one or

more of the programs to ~~the terminal~~ <u>one or more headends</u> and wherein a particular one of

the one or more headends transmitting one or more of the programs to the ~~terminal~~ <u>hardware</u>

<u>upgrade</u>.

25-27. (Canceled).

28.   (Original)   The system of claim 24 wherein the television program

delivery system is a satellite broadcast system.

29.   (Original)   The system of claim 24 wherein the terminal is an HDN

terminal.

30-41   (Canceled)

42.   (Currently Amended) A method for delivering television programs through a

television program delivery system with menu selection of programs, comprising:

~~receiving a television program from one or more headends;~~

receiving subscriber input through ~~an~~ <u>a set top terminal</u> interface within a set top

terminal, the set top terminal having a microprocessor and microprocessor instructions for

prompting generation of menus;

receiving ~~communicating through a modem with the one or more headends using~~ a hardware upgrade having a hardware upgrade microprocessor inserted into a card receiving slot of the set top terminal, the hardware upgrade providing an interface for communicating with the microprocessor of ~~to~~ the set top terminal for receiving and processing subscriber input provided by the microprocessor of the set top terminal and for providing data to the microprocessor of the set top terminal, ~~adding~~ providing a data modulation and demodulation function using the hardware upgrade microprocessor to ~~the set top terminal~~ communicate with one or more headends~~, and the communicating step comprising:~~ to receive ~~television program signals~~ data based on the subscriber input received by the hardware upgrade microprocessor from the microprocessor of the set top terminal, passing received data to the set top terminal via the interface, providing enhanced functional capabilities to the set top terminal using the hardware upgrade microprocessor, allowing a user to use the set top terminal to engage in actual transactions using two-way communications through the data modulation and demodulation and

> ~~transmitting data based on the subscriber input;~~

> ~~receiving data from the one or more headends; and~~

> ~~downloading data from the one or more headends to a local storage using the~~ ~~hardware upgrade and the modem;~~

displaying television program and/or information based on the received data~~;~~

~~providing a second upgrade to said set top terminal for storing digital data on a~~ ~~storage device, wherein the received data comprises information concerning the television~~ ~~program, and~~

> ~~monitoring the information concerning the television program; and~~

~~retrieving the stored digital data, in response to the monitoring step wherein the data comprising information from an interactive service for accessing an on-line database thereby allowing actual transactions using two-way communications over the modem with the interactive service via submenus.~~

43.   (Original)   The method of claim 42 wherein the received data comprises information concerning the television program.

44.   (Canceled).

45.   (Currently Amended) The method of claim 42 wherein the ~~communicating step~~ providing a data modulation and demodulation function using the hardware upgrade microprocessor to communicate further comprises:

communicating with at least one interactive service.

46.   (Original)   The method of claim 45 wherein the interactive service is outside of the television program delivery system.

47.   (Original)   The method of claim 45 wherein the interactive service is selected from a group consisting of home shopping, airline reservations, news, financial information classified advertisements, home banking, and interactive teletext.

48.   (Currently Amended) The method of claim 42 wherein the ~~communicating step~~ providing a data modulation and demodulation function using the hardware upgrade microprocessor to communicate further comprises:

communicating with at least one on-line database.

49.   (Original)   The method of claim 48 wherein the on-line database is outside
of the television program delivery system.

50.   (Original)   The method of claim 48 wherein the on-line database contains
data related to one or more applications selected from a group consisting of home shopping,
airline reservations, news, financial information, classified advertisements, home banking,
and interactive teletext.

51-55. (Canceled)

56.   (Currently Amended) The method of claim 42 wherein the ~~stored~~ received
~~digital~~ data concerns one or more applications selected from a group consisting of games,
education, encyclopedias, reference, and economics.

57-58. (Canceled)

59.   (Original)   The method of claim 42 further comprising:
generating a menu on a television, wherein the subscriber input comprises menu
selections.

60-65. (Canceled)